

FITC Labeled Magnetic Nanoparticles

Product Description

Name :	FITC labeled Magnetic Nanoparticles
Catalog Number :	FP-LV5630 0,5ml
Appearance :	Brownish liquid
Composition :	FITC labeled magnetic nanoparticles in PBS buffer, pH 7,4
Particle Size :	Around 30 nm
Concentration:	2,5 mg/ml based on Iron
Absorption / Emission :	$\lambda_{exc}/\lambda_{em} = 494/518\text{nm}$

Storage: Store at 2~8°C (stability ranges from 6~18 months depends on the particles size).
Protect from light and moisture

Introduction

FITC labeled magnetic nanoparticles were made from superparamagnetic Iron Oxide nanoparticles with narrow size distribution (<15%). The average size of these nanoparticles is around 25~35 nm. These nanoparticles were overr coated with poly-glucose carbohydrates and are dissolved in aqueous solution.

Directions for use

Guidelines for use

Protocol may be found in the literature.

References

- **Maeda Y. et al.**, Noncovalent Immobilization of Streptavidin on In Vitro- and In Vivo-Biotinylated Bacterial Magnetic Particles, *Appl. Envir. Microbiol.*, 74: 5139 - 5145 (2008) [Article](#)
- **Murphy E. et al.**, Targeted Nanogels: A Versatile Platform for Drug Delivery to Tumors, *Mol. Cancer Ther.*, 10: 972 - 982 (2011) [Article](#)
- **Perrault S. et al.**, In vivo assembly of nanoparticle components to improve targeted cancer imaging, *PNAS*, 107: 11194 - 11199 (2010) [Article](#)

Technical and scientific information

Related / associated products and documents

See [Products Highlights](#), [BioSciences Innovations catalogue](#) and [e-search tool](#).

- Magnetic Nanoparticles, Rhodamine B, 25-35nm, FP-LV5620

Ordering information

[Catalog size quantities and prices may be found at www.interchim.com/](http://www.interchim.com/)

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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